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CABBAGE VARIETY TRIALS - 1966  
THE OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER  
VEGETABLE CROPS BRANCH, MARIETTA, OHIO

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DEPARTMENT OF HORTICULTURE  
The Ohio Agricultural Research and Development Center  
Wooster, Ohio  
Horticulture Mimeograph Series No. 330, January 3, 1967

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OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER  
Vegetable Crops Branch, Marietta, Ohio

Department of Horticulture Mimeograph Series No. 330  
January 3, 1967

EARLY CABBAGE VARIETY TRIALS - 1966  
Walter N. Brown<sup>1</sup> and Harold M. Racer<sup>2</sup>

Sixteen varieties, strains of varieties, or hybrids of cabbage were evaluated in the 1966 trials. These entries were compared as to their suitability as early fresh market cabbage. The results are given in Table I.

CULTURAL INFORMATION

Seed Sowed: February 22 in sash house ground beds and plants were set in field on April 15, 1966.

Fertilizer: 100 lbs/A of N. (Ammonium nitrate) and 100 lbs/A of K<sub>2</sub>O (Muriate of potash) drilled on winter barley cover crop and plowed down. One sidedressing of 150 lbs/A of Ammonium nitrate was applied on May 11th.

Starter solution: 1½ lbs/50 gal. water of ammonium nitrate, ½ pt. per plant with transplanter

Spacing: Rows 36" apart, plants spaced 12" in row, 42 plants per single row plot randomized and replicated six times.

Insect and Disease Control: One application of Thiodan (1 lb. actual per A.) on May 31.

Date of First Harvest: June 11 with last harvest on July 5, 1966.

SOURCES OF SEED

Code	Source
A-2	Asgrow Seed Co., Orange, Connecticut, 06477
B-1	W. Atlee Burpee & Co., P.O. Box 6929, Philadelphia, Pa., 19132
F-1	Ferry Morse Seed Company, P.O. Box 398, Racine, Wisc., 53401
H-1	Joseph Harris Co., Inc., Moreton Farm, Rochester, N.Y., 14624
H-2	Holmes Seed Co., 2125 46th N.W., Canton, Ohio, 44709
L-2	Letherman Seed Co., 1203 E. Tuscarawas St., Canton, Ohio, 44702
R-1	Robson Quality Seeds, Inc., Hall N.Y. 14463
S-1	Stokes Seeds, Inc. Box 15, Buffalo, N.Y., 14205

GENERAL COMMENTS

Temperature for April averaged approximately 4.6 degrees above normal with May temperatures averaging approximately 8 degrees F. below normal. Only a few plants produced seeders, but generally heads were pointed and cores were considerably elongated over normal. Rainfall was well below normal in June and deficiencies were compensated for by irrigations on May 26, June 3, and June 13, about 1" at each date. Average temperatures and rainfall occurring during the growing period were as follows:

	<u>Average Temp.</u>	<u>Rainfall</u>
April 15-30	59.9 degrees F	3.20"
May 1-31	60.1	2.58"
June 1-30	72.3	0.76"
July 1-5	81.8	0.19"

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General Comments cond.

Copenhagen Cross, new in the trials, closely resembles Golden Acre Hybrid.

Early Hybrid appeared promising from standpoint of early maturity, yield, solidity, uniformity, head size and appearance.

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(6 Replications)

Variety, Lot Number and Source			No. Days to 1st Harvest	Yield per Acre	Av. Head Wt.	% Total Heads at 1st Harvest	Marketable Heads Harvested	Polar Diameter	Equator Diameter	Shape Index P/E	Core Length	Plant Diameter	Stem Height	*Gen. Uniformity	*Mat. Uniformity	*Solidity	Cracked Heads	Remarks
			Tons	lbs.	%	%	Inch.	In.	In.	In.	In.						%	
12	Emerald Cross 263	H-1	63	20.0	2.9	60.0	94.4	6.65	6.5	1.02	4.4	18.5	S	5	4	3	1.6	High % of Marketable heads.
15	Golden Acre Hybrid 1051	H-2	62	16.3	2.7	76.4	85.6	7.10	5.6	1.27	2.8	18.8	S	4	4	4	0.0	Heads pointed, seeders?
5	Copenhagen Cross T-66	H-1	62	16.1	2.8	90.8	80.0	7.13	5.5	1.30	2.6	19.3	S	4	4	5	0.0	Heads pointed, seeders?
14	Early Hybrid 61	S-1	57	14.1	2.2	50.4	91.9	5.66	5.0	1.13	2.2	15.4	S	4	3	5	0.0	Very early, solid heads, promising.
4	C. C. Cross 14	R-1	59	13.8	2.3	39.0	85.4	6.10	5.4	1.13	2.7	15.5	M	3	3	5	3.2	High % cracked heads.
7	Golden Acre YR 1956	H-1	62	13.6	2.5	54.4	74.4	6.60	5.4	1.22	3.6	17.6	S	2	3	3	1.6	37.6% hollow stem, poor uniformity.
8	Golden Acre Special 271	H-1	62	12.7	2.6	70.5	68.9	5.77	5.2	1.11	3.0	18.1	S	3	4	4	0.4	29.1% hollow stem.
13	Badger Market T-66	A-2	66	12.5	2.2	32.5	80.7	6.50	5.6	1.16	3.2	18.2	S	4	1	4	0.0	Considerable number of double plants.
1	Early Greenball 54	S-1	57	12.3	2.1	63.3	81.1	5.77	5.4	1.07	2.9	15.1	S	3	4	4	2.4	Typical of variety.
* rated 1-5 LSD @ 5% Level				2.7														

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CABBAGE VARIETIES - Marietta, Ohio - 1966

(6 Replications)

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